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(54) Title (EN): RADAR DEVICE AND SIGNAL PROCESSING METHOD

(54) Title (FR): DISPOSITIF RADAR ET PROCÉDÉ DE TRAITEMENT DE SIGNAL

(54) Title (JA): レーダ装置および信号処理方法

(57) Abstract:

(EN): A first module (1-1) uses a first local oscillation signal to generate a first reception signal from a reflected RF signal of a transmitted RF signal, a second module (2-1) uses a second local oscillation signal synchronized with the first local oscillation signal to generate a second reception signal from the reflected RF signal, and a first signal processor (12) calculates the angle of a target using a signal obtained through coherent integration based on the first reception signal and second reception signal.

(FR): L'invention concerne un premier module (1-1) utilisant un premier signal d'oscillation local pour générer un premier signal de réception à partir d'un signal RF réfléchi d'un signal RF émis, un deuxième module (2-1) utilisant un deuxième signal d'oscillation local synchronisé avec le premier signal d'oscillation local pour générer un deuxième signal de réception à partir du signal RF réfléchi, et un premier processeur de signal (12) calculant l'angle d'une cible à l'aide d'un signal obtenu par intégration cohérente en fonction du premier signal de réception et du deuxième signal de réception.

(JA): 第1のモジュール(1-1)が、第1の局部発振信号を用いて、送信RF信号の反射RF信号から第1の受信信号を生成し、第2のモジュール(2-1)が、第1の局部発振信号と同期している第2の局部発振信号を用いて、反射RF信号から第2の受信信号を生成し、第1の信号処理器(12)が、第1の受信信号と第2の受信信号とに基づくコヒーレント積分で得られた信号を用いて目標の角度を算出する。

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